Datasheet: AAM19GA

Description:	RABBIT ANTI MOUSE TNF ALPHA
Specificity:	TNF ALPHA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.01 - 0.015ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using the appropriate negative/positive controls.

Target Species

Mouse

Product Form

Purified IgG - lyophilized

Reconstitution

Reconstitute with 0.1 ml distilled water
Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
For long term storage the addition of 0.09% sodium azide is recommended.
N.B. For functional studies do not add sodium azide.

Antiserum Preparation

Antisera to mouse TNFα were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution.
Immunogen	Recombinant mouse TNFα (PMP24)
External Database Links	**UniProt:** P06804 Related reagents **Entrez Gene:** 21926 Tnf Related reagents
Synonyms	Tnfa, Tnfsf2
RRID	AB_609802
Specificity	**Rabbit anti Mouse TNF alpha antibody** recognizes mouse Tumour Necrosis Factor alpha (TNF–alpha), a 17.3kDa multi-functional pro-inflammatory cytokine primarily secreted by macrophages, but also produced by T and B lymphocytes, activated monocytes and fibroblasts. TNF-alpha exists in both a transmembrane and mature soluble form and has many biological properties, including activation of transcription factor NF-KappaB, the induction of apoptosis in various tumour cell lines and the stimulation of cell differentiation and proliferation under certain conditions. TNF-alpha is involved in inflammation, septic shock, autoimmune disease and rheumatoid arthritis. This Rabbit anti Mouse TNF-alpha antibody can be used to neutralize the effects of mouse TNF-alpha.
ELISA	Rabbit anti Mouse TNFα (purified) may be used in an indirect ELISA with recombinant mouse TNFα (PMP24) as the standard.
References	1. Khaskhely, N.M. *et al.* (2002) Low-dose UVB contributes to host resistance against Leishmania amazonensis infection in mice through induction of gamma interferon and tumor necrosis factor alpha cytokines. Clin Diagn Lab Immunol. 9: 677-86. 2. Schafers, M. *et al.* (2002) Anterograde transport of tumor necrosis factor-alpha in the intact and injured rat sciatic nerve. J Neurosci. 22: 536-45. 3. Oakley, F. *et al.* (2005) Nuclear factor-kappaB1 (p50) limits the inflammatory and fibrogenic responses to chronic injury. Am J Pathol. 166: 695-708.
Further Reading	1. Van Horssen, R. *et al*. (2006) TNF-alpha in cancer treatment: molecular insights, antitumor effects, and clinical utility. The Oncologist. 11: 397-408.
Storage	Prior to reconstitution store at -20°C. After reconstitution store at -20°C.

	This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10294 available at: 10294: https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin, FITC, HRP

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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